

Serial No. 09/683,546

**REMARKS**

Claims 1-22 and 24-30 are pending in this application. Claims 1-3, 6-7, 13, 17 and 28 are objected to by the Examiner. Claims 13, 28, and 29 stand rejected.

**Claim Objections**

The Examiner objected to the form of a number of claims. Applicant's response to objections follows.

The hyphens which were mentioned by the examiner in claims 6 and 17 are artifacts of the mark-up tool of the word processing system used in the previous amendment. When Applicant accepted the changes to the previous amendment, the hyphens do not appear in either claim 6 or 7. See claims below.

Applicant has removed "DC" from "characteristics and added "for the elements" thereafter in claims 2, 13, and 28. Both characteristics and elements have antecedent basis in these claims. The Applicant disagrees with the Examiner's assertion that dc\_impedance and dc\_base are undefined in the claims. Applicant is entitled to be his own lexicographer in using terms in the claims. These terms are defined clearly in paragraphs 32 and 31 of the specification respectively.

Applicant has included the term "resistor's" in front of transient impedance and conductance of claims 3 and 14. Since resistor has an antecedent base, and these are simply properties of the resistors it is believed that the Examiner's rejection has been overcome.

Claim 6 is amended to remove the term local. The Examiner is correct the time claimed in that portion of the claim is not "local."

Serial No. 09/683,546

Applicant has amended claim 1, 12, and 30, as well as 28 and 29, to overcome the Examiner's objection that no antecedent basis is present.

Applicant has therefore overcome the Examiner's objections and asserts that these claims are now in condition for allowance under 37 C.F.R. 116 by complying with Examiner's form requirements.

#### Claim Rejection – 35 USC § 112

Examiner has rejected claims 13, 28, and 29 under 35 U.S.C. § 112, second paragraph as not supported by the specification. Applicant has amended paragraph 83 of the specification to now incorporate the equation for dc\_conductance. The language incorporated is not new matter, since the language inserted was present (almost verbatim) in claim 13 of the originally filed case in claiming the use of conductance versus impedance. Also, original paragraph 83 stated the following: "Alternatively, the model can use conductance versus impedance when creating the model." The Applicant also illustrated this usage in Figures 4 and 5 and related text in the specification. So, the body of the specification is now consistent with the claims, and Applicant asks that these claims be moved to allowance.

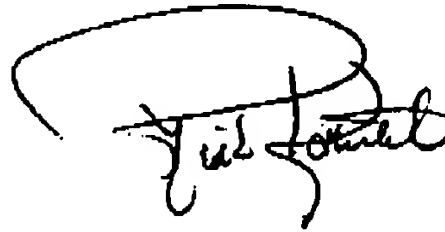
BUR920000201US2

Serial No. 09/683,546

**SUMMARY AND CONCLUSION**

In view of the foregoing, withdrawal of the rejections and the allowance of the current pending claims are respectfully requested. If the Examiner feels that the pending claims could be allowed with minor changes, the Examiner is invited to telephone the undersigned to discuss an Examiner's Amendment.

Respectfully submitted,

Date: June 23, 2004

BY: Richard M. Kotulak  
Attorney for the Applicants  
Registration No.: 27,712  
Telephone: 802-769-4457